Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	JAN 12	Match STN Content and Features to Your Information Needs, Quickly and Conveniently
NEWS 3	JAN 25	Annual Reload of MEDLINE database
NEWS 4	FEB 16	STN Express Maintenance Release, Version 8.4.2, Is Now Available for Download
NEWS 5	FEB 16	Derwent World Patents Index (DWPI) Revises Indexing of Author Abstracts
NEWS 6	FEB 16	New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 7	FEB 16	INPADOCDB and INPAFAMDB Enriched with New Content and Features
NEWS 8	FEB 16	INSPEC Adding Its Own IPC codes and Author's E-mail Addresses
NEWS 9	APR 02	CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS 10	APR 02	PATDPAFULL: Application and priority number formats enhanced
NEWS 11	APR 02	DWPI: New display format ALLSTR available
NEWS 12	APR 02	New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS 13	APR 02	EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS 14	APR 07	CA/CAplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS 15	APR 07	50,000 World Traditional Medicine (WTM) Patents Now Available in CAplus
NEWS 16	APR 07	MEDLINE Coverage Is Extended Back to 1947
NEWS 17	JUN 16	WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS 18	JUN 18	DWPI: New coverage - French Granted Patents
NEWS 19	JUN 18	CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS 20	JUN 18	IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS 21	JUN 21	Removal of Pre-IPC 8 data fields streamline displays in CA/CAplus, CASREACT,and MARPAT
NEWS 22	JUN 21	Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN

NEWS EXPRESS FEBRUARY 15 10 CURRENT WINDOWS VERSION IS V8.4.2,
AND CURRENT DISCOVER FILE IS DATED 15 JANUARY 2010.

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agreement. This agreement limits use to scientific research. Use for software development or design, implementation of commercial gateways, or use of CAS and STN data in the building of commercial products is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 08:15:12 ON 25 JUN 2010

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'REGISTRY' ENTERED AT 08:15:31 ON 25 JUN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUN 2010 HIGHEST RN 1228341-10-3
DICTIONARY FILE UPDATES: 24 JUN 2010 HIGHEST RN 1228341-10-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> LOGOFF HOLD

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.49	0.71

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:15:42 ON 25 JUN 2010

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1623PAZ

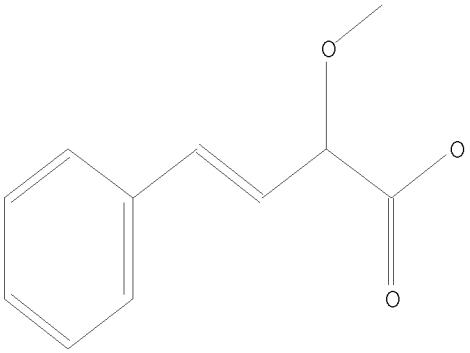
PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:23:11 ON 25 JUN 2010
FILE 'REGISTRY' ENTERED AT 08:23:11 ON 25 JUN 2010

COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION
FULL ESTIMATED COST | 0.49 | 0.71

=>
Uploading C:\Documents and Settings\PZucker\My Documents\Examination Auxillary files\10566995\10566995 AF PHENYLBUTENOIC ACIDS.str

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> SEARCH L1 SSS SAM
SAMPLE SEARCH INITIATED 08:24:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 323 TO ITERATE

100.0% PROCESSED 323 ITERATIONS 1 ANSWERS
SEARCH TIME: 00.00.01

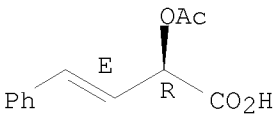
FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 5382 TO 7538
PROJECTED ANSWERS: 1 TO 80

L2 1 SEA SSS SAM L1

=> D SCAN

L2 1 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, (2R,3E)-
MF C12 H12 O4

Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> SEARCH L1 SSS FULL
FULL SEARCH INITIATED 08:24:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6297 TO ITERATE

100.0% PROCESSED 6297 ITERATIONS 35 ANSWERS
SEARCH TIME: 00.00.01

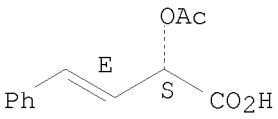
L3 35 SEA SSS FUL L1

=> DSCAN
L4 0 DSCAN

=> D SCAN L3

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, (2S,3E)-
MF C12 H12 O4

Absolute stereochemistry. Rotation (+).
Double bond geometry as shown.

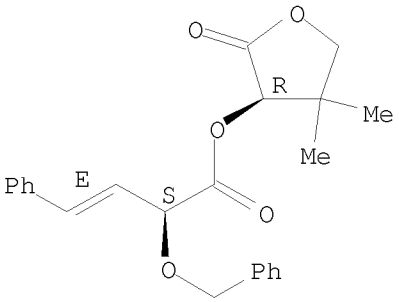


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):10

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-(phenylmethoxy)-,
(3R)-tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, (2S,3E)-
MF C23 H24 O5

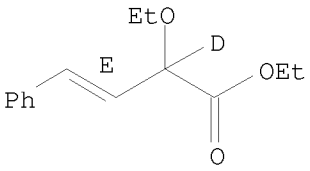
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

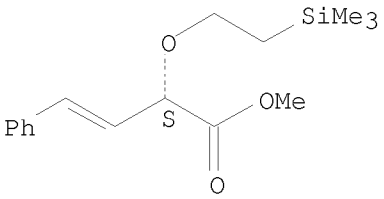
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic-2-d acid, 2-ethoxy-4-phenyl-, ethyl ester, (E)- (9CI)
MF C14 H17 D O3

Double bond geometry as shown.



L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-[2-(trimethylsilyl)ethoxy]-, methyl ester, (2S)-
MF C16 H24 O3 Si

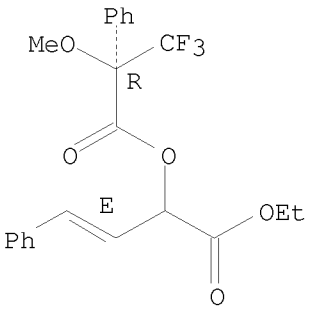
Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Benzeneacetic acid, α-methoxy-α-(trifluoromethyl)-, (2E)-1-(ethoxycarbonyl)-3-phenyl-2-propen-1-yl ester, (αR)-
MF C22 H21 F3 O5

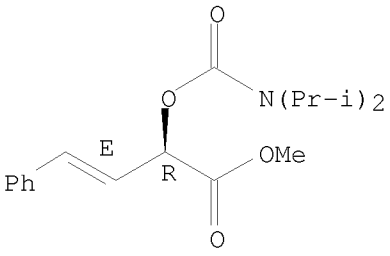
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[[[bis(1-methylethyl)amino]carbonyl]oxy]-4-phenyl-, methyl ester, (2R,3E)-
MF C18 H25 N O4

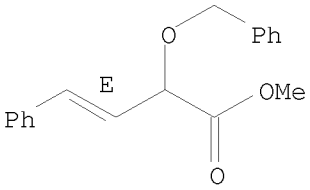
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-(phenylmethoxy)-, methyl ester, (3E)-
MF C18 H18 O3

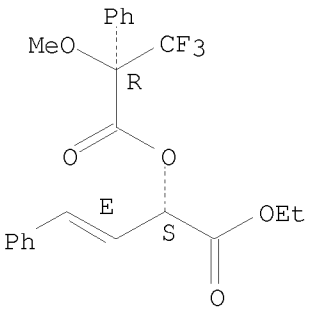
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Benzeneacetic acid, α-methoxy-α-(trifluoromethyl)-, (1S,2E)-1-(ethoxycarbonyl)-3-phenyl-2-propen-1-yl ester, (αR)-
MF C22 H21 F3 O5

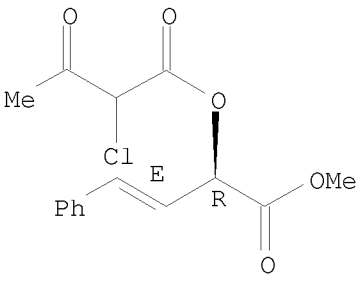
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(2-chloro-1,3-dioxobutoxy)-4-phenyl-, methyl ester, (2R,3E)-
MF C15 H15 Cl O5

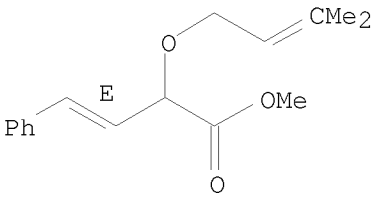
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

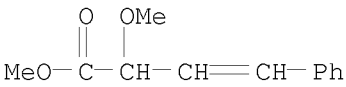
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(3-methyl-2-buten-1-yl)oxy]-4-phenyl-, methyl ester, (3E)-
MF C16 H20 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-, methyl ester
MF C12 H14 O3

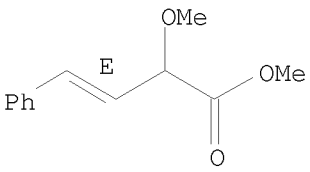


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):25

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-, methyl ester, (3E)-
MF C12 H14 O3

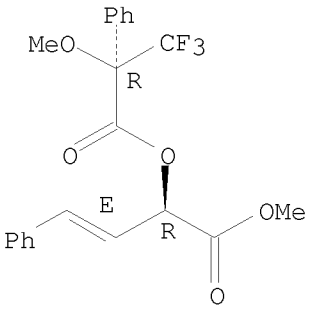
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

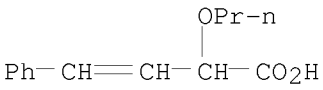
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Benzeneacetic acid, α-methoxy-α-(trifluoromethyl)-,
    1-(methoxycarbonyl)-3-phenyl-2-propenyl ester, [R-[R*,R*-(E)]]- (9CI)
MF C21 H19 F3 O5

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

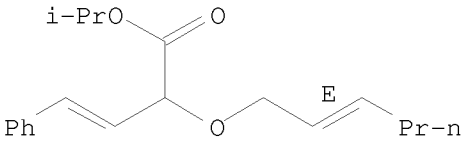
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-propoxy-
MF C13 H16 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(2E)-2-hexen-1-yloxy]-4-phenyl-, 1-methylethyl ester
MF C19 H26 O3

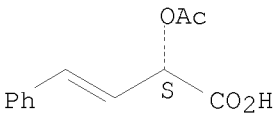
Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, (S)- (9CI)
MF C12 H12 O4

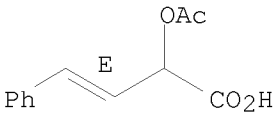
Absolute stereochemistry.
Double bond geometry unknown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, (3E)-
MF C12 H12 O4

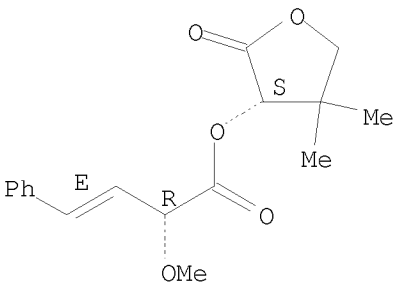
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-,
    (3S)-tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, (2R,3E)-
MF C17 H20 O5

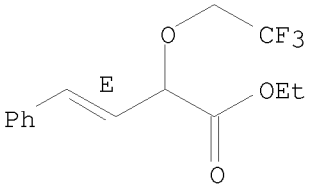
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-(2,2,2-trifluoroethoxy)-, ethyl ester, (E)-
(9CI)
MF C14 H15 F3 O3

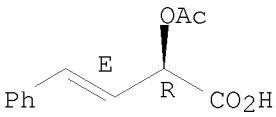
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, (2R,3E)-
MF C12 H12 O4

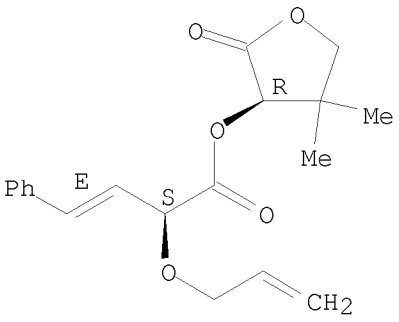
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-(2-propen-1-yloxy)-,
(3R)-tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, (2S,3E)-
MF C19 H22 O5

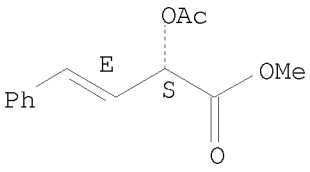
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, methyl ester, (2S,3E)-
MF C13 H14 O4

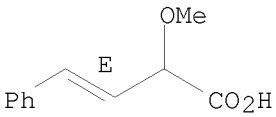
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-, (3E)-
MF C11 H12 O3

Double bond geometry as shown.

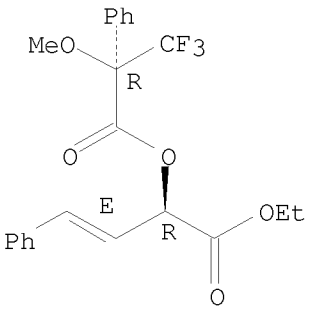


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Benzeneacetic acid, α-methoxy-α-(trifluoromethyl)-,
(1R,2E)-1-(ethoxycarbonyl)-3-phenyl-2-propen-1-yl ester, (αR)-
MF C22 H21 F3 O5

Absolute stereochemistry.

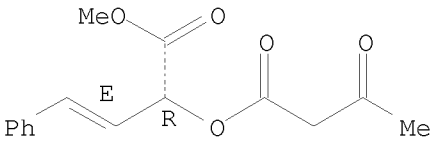
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(1,3-dioxobutoxy)-4-phenyl-, methyl ester, (2R,3E)-
MF C15 H16 O5

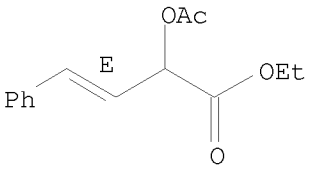
Absolute stereochemistry. Rotation (-).
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, ethyl ester, (3E)-
MF C14 H16 O4

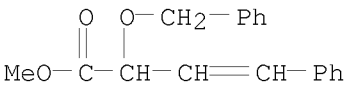
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN

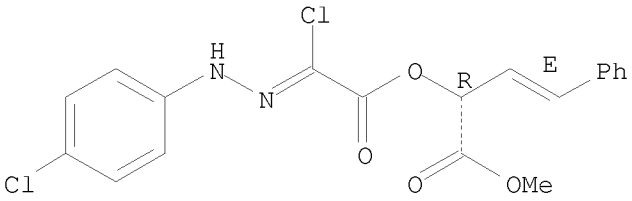
IN 3-Butenoic acid, 4-phenyl-2-(phenylmethoxy)-, methyl ester
MF C18 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[[2-chloro-2-[2-(4-chlorophenyl)hydrazinylidene]acetyl]oxy]-4-phenyl-, methyl ester, (2R,3E)-
MF C19 H16 Cl2 N2 O4

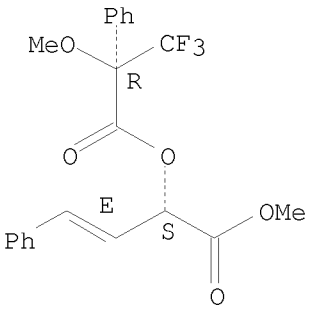
Absolute stereochemistry.
Double bond geometry as described by E or Z.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

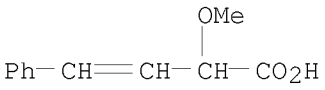
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN Benzeneacetic acid, α-methoxy-α-(trifluoromethyl)-, 1-(methoxycarbonyl)-3-phenyl-2-propenyl ester, [S-[R*,S*-(E)]]- (9CI)
MF C21 H19 F3 O5

Absolute stereochemistry.
Double bond geometry as shown.



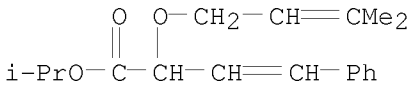
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-
MF C11 H12 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

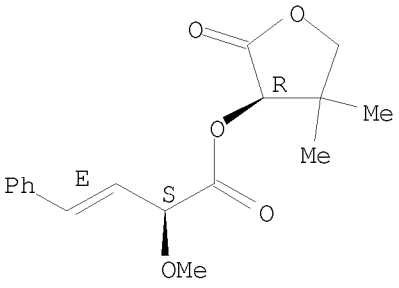
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(3-methyl-2-buten-1-yl)oxy]-4-phenyl-, 1-methylethyl ester
MF C18 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-methoxy-4-phenyl-, tetrahydro-4,4-dimethyl-2-oxo-3-furanyl ester, [R-[R*,S*-(E)]]- (9CI)
MF C17 H20 O5

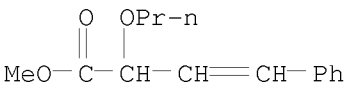
Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

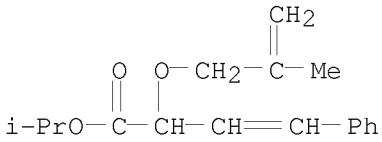
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 4-phenyl-2-propoxy-, methyl ester

MF C14 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

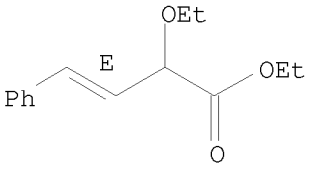
L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-[(2-methyl-2-propen-1-yl)oxy]-4-phenyl-, 1-methylethyl ester
MF C17 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 35 ANSWERS REGISTRY COPYRIGHT 2010 ACS on STN
IN 3-Butenoic acid, 2-ethoxy-4-phenyl-, ethyl ester, (E)- (9CI)
MF C14 H18 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	198.51	198.73

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FILE COVERS 1907 - 25 Jun 2010 VOL 153 ISS 1
FILE LAST UPDATED: 24 Jun 2010 (20100624/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2010.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> L3
L5 21 L3

=> D L5 1-21 TI

L5 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Enantioselective C-C Bond Formation by Rhodium-Catalyzed Tandem Ylide Formation/[2,3]-Sigmatropic Rearrangement between Donor/Acceptor Carbenoids and Allylic Alcohols

L5 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Pincer Complex-Catalyzed Redox Coupling of Alkenes with Iodonium Salts via Presumed Palladium(IV) Intermediates

L5 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Influence of electron-deficient ruthenium(I) carbonyl carboxylates on the vinylogous reactivity of metal carbenoids

L5 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Regioselectivity in Lewis acids catalyzed X-H (O, S, N) insertions of methyl styryldiazoacetate with benzyl alcohol, benzyl thiol, and aniline

L5 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Practical Approach to α- or γ-Heterosubstituted Enoic Acids

L5 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Catalytic Enantioselective O-H Insertion Reactions

L5 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Chemo-enzymatic synthesis of (R)- and (S)-2-hydroxy-4-phenylbutanoic acid via enantio-complementary deracemization of (±)-2-hydroxy-4-phenyl-3-butenoic acid using a racemase-lipase two-enzyme system

L5 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Preparation of 4-phenyl-but-3-enoic acid derivatives, as peroxisome proliferator-activated receptors (PPAR) ligands, in particular PPARα and PPARγ agonists, for the treatment and prevention of diabetes, dyslipidemia, atherosclerosis

L5 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Asymmetric reduction of alkyl 2-oxo-4-arylbutanoates and -but-3-enoates by Candida parapsilosis ATCC 7330: assignment of the absolute configuration of ethyl 2-hydroxy-4-(p-methylphenyl)but-3-enoate by 1H NMR

L5 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Three-Component Reaction of Aryl Diazoacetates, Alcohols, and Aldehydes (or Imines): Evidence of Alcoholic Oxonium Ylide Intermediates

L5 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Chiral catalyst enhancement of diastereocontrol for O-H insertion reactions of styryl- and phenyldiazoacetate esters of pantolactone

L5 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Synthesis of α-allyloxy-substituted α,β-unsaturated esters via aldol condensation. Convenient access to highly substituted allyl vinyl ethers

L5 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Regiochemistry of molybdenum-catalyzed O-H insertions of vinylcarbenoids

L5 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI The first case of asymmetric induction in intramolecular nitrile imine cycloadditions: synthesis of enantiopure 3-substituted 6-oxo-2,3,3a,5-tetrahydro-4-carbomethoxy-furo[3,4-c]pyrazoles

L5 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Enantioselective lithiation and substitution of (E)-cinnamyl N,N-diisopropylcarbamate through use of (-)-sparteine complexes

L5 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Chemoenzymic synthesis of enantiomerically pure alkene 1,2-diols and glycosides thereof

L5 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl Carbenoid Insertion into Si-H, O-H, and N-H Bonds

L5 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Electronic versus steric effects in 5-endo-trig-like electrophilic cyclizations

L5 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Enzymic resolution of 2-hydroxy-4-phenylbutanoic acid and 2-hydroxy-4-phenylbutenoic acid

L5 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Rhodium(II)-vinylcarbenoid insertion into the Si-H bond. A new stereospecific synthesis of allylsilanes

L5 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2010 ACS on STN
TI Enantioselective reduction of β,χ-unsaturated α-keto acids using Bacillus stearothermophilus lactate dehydrogenase: a new route to functionalized allylic alcohols

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=> FILE REG
COST IN U.S. DOLLARS                                  SINCE FILE      TOTAL
                                                          ENTRY    SESSION
FULL ESTIMATED COST                                        9.69     208.42

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STRUCTURE FILE UPDATES:   24 JUN 2010  HIGHEST RN 1228341-10-3
DICTIONARY FILE UPDATES:  24 JUN 2010  HIGHEST RN 1228341-10-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> E 3-Butenoic acid, 2-methoxy-4-phenyl-/CN
E1            1     3-BUTENOIC ACID, 2-METHOXY-4-(5-(2-METHYLPROPOXY)-4-((TRICYC
                    LO(3.3.1.13,7)DEC-2-YLAMINO)CARBONYL)-1H-PYRAZOL-1-YL)-/CN
E2            1     3-BUTENOIC ACID, 2-METHOXY-4-(TRIMETHYLSILYL)-3-((TRIMETHYLS
                    ILYL)OXY)-, TRIMETHYLSILYL ESTER, (E)-/CN
E3            1 --> 3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-/CN
E4            1     3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-, (3E)-/CN
E5            1     3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-, (3S)-TETRAHYDRO-4,4-DI
                    METHYL-2-OXO-3-FURANYL ESTER, (2R,3E)-/CN
E6            1     3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-, METHYL ESTER/CN
E7            1     3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-, METHYL ESTER, (3E)-/CN
E8            1     3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-, TETRAHYDRO-4,4-DIMETHY
                    L-2-OXO-3-FURANYL ESTER, (R-(R*,S*-(E)))-/CN
E9            1     3-BUTENOIC ACID, 2-METHOXYETHYL ESTER/CN
E10           1     3-BUTENOIC ACID, 2-METHYL-/CN
E11           1     3-BUTENOIC ACID, 2-METHYL-, (2,5-DIHYDRO-1,1-DIOXIDO-2-THIEN
                    YL)METHYL ESTER/CN
E12           1     3-BUTENOIC ACID, 2-METHYL-, (2,5-DIHYDRO-2-THIENYL)METHYL ES
                    TER, S,S-DIOXIDE/CN

=> E3
L6            1 "3-BUTENOIC ACID, 2-METHOXY-4-PHENYL-"/CN

=> D L6

L6   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   841202-04-8  REGISTRY
ED   Entered STN:  03 Mar 2005
CN   3-Butenoic acid, 2-methoxy-4-phenyl-  (CA INDEX NAME)
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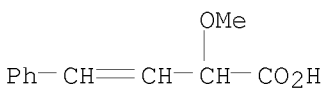
OTHER NAMES:
CN 2-Methoxy-4-phenylbut-3-enoic acid
MF C11 H12 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.09	216.51

FILE 'CAPLUS' ENTERED AT 08:27:50 ON 25 JUN 2010

FILE COVERS 1907 - 25 Jun 2010 VOL 153 ISS 1
FILE LAST UPDATED: 24 Jun 2010 (20100624/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> L6
L7 1 L6

=> D L7

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2010 ACS on STN
AN 2005:119915 CAPLUS <<LOGINID::20100625>>
DN 142:219047
TI Preparation of 4-phenyl-but-3-enoic acid derivatives, as peroxisome proliferator-activated receptors (PPAR) ligands, in particular PPARα and PPARγ agonists, for the treatment and prevention of diabetes, dyslipidemia, atherosclerosis
IN Zeiller, Jean Jacques; Dumas, Herve; Guyard Dangremont, Valerie; Berard, Isabelle; Contard, Francis; Guerrier, Daniel; Ferrand, Gerard; Bonhomme, Yves
PA Merck Sante, Fr.
SO Fr. Demande, 38 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2858615	A1	20050211	FR 2003-9610	20030804
	FR 2858615	B1	20061222		
	AU 2004263254	A1	20050217	AU 2004-263254	20040714
	AU 2004263254	B2	20100318		
	CA 2534493	A1	20050217	CA 2004-2534493	20040714
	WO 2005014521	A1	20050217	WO 2004-EP7776	20040714
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1658260	A1	20060524	EP 2004-740992	20040714
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	JP 2007501190	T	20070125	JP 2006-522255	20040714
	US 20060178434	A1	20060810	US 2006-566995	20060202
PRAI	FR 2003-9610	A	20030804		
	WO 2004-EP7776	W	20040714		

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT
OS CASREACT 142:219047; MARPAT 142:219047
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIE REG
174 FIE
14 FIES
188 FIE
(FIE OR FIES)
1734 REG
139 REGS
1846 REG
(REG OR REGS)
L8 0 FIE REG
(FIE(W)REG)

=> E 3-Butenoic acid, 4-phenyl-2-(2,2,2-trifluoroethoxy)-, ethyl ester, (E)-/CN

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   REG1stRY INITIATED
Substance data EXPAND from CAS REGISTRY in progress...


E1            1     3-BUTENOIC ACID, 4-PHENYL-2-((TRIPHENYLMETHYL)AMINO)-, (E)-/
                    CN
E2            1     3-BUTENOIC ACID, 4-PHENYL-2-(1-PHTHALAZINYLHYDRAZONO)-/CN
E3            1 --> 3-BUTENOIC ACID, 4-PHENYL-2-(2,2,2-TRIFLUOROETHOXY)-, ETHYL
                    ESTER, (E)-/CN
E4            1     3-BUTENOIC ACID, 4-PHENYL-2-(2,2,2-TRIMETHYL-1,1-BIS(TRIMETH
                    YLSILYL)DISILANYL)-, ETHYL ESTER, (E)-/CN
E5            1     3-BUTENOIC ACID, 4-PHENYL-2-(2,2,2-TRIMETHYL-1,1-BIS(TRIMETH
                    YLSILYL)DISILANYL)-, TETRAHYDRO-4,4-DIMETHYL-2-OXO-3-FURANYL
                     ESTER, (S-(R*,S*-(E)))-/CN
E6            1     3-BUTENOIC ACID, 4-PHENYL-2-(2-((PHENYLAMINO)CARBONYL)HYDRAZ
                    INYLIDENE)-/CN
E7            1     3-BUTENOIC ACID, 4-PHENYL-2-(2-((PHENYLAMINO)CARBONYL)HYDRAZ
                    INYLIDENE)-, HYDRAZIDE/CN
E8            1     3-BUTENOIC ACID, 4-PHENYL-2-(2-((PHENYLAMINO)THIOXOMETHYL)HY
                    DRAZINYLIDENE)-/CN
E9            1     3-BUTENOIC ACID, 4-PHENYL-2-(2-(1-PHTHALAZINYL)HYDRAZINYLIDE
                    NE)-/CN
E10           1     3-BUTENOIC ACID, 4-PHENYL-2-(2-(4-QUINAZOLINYL)HYDRAZINYLIDE
                    NE)-/CN
E11           1     3-BUTENOIC ACID, 4-PHENYL-2-(2-(TRIFLUOROMETHYL)PHENOXY)-, (
                    3E)-/CN
E12           1     3-BUTENOIC ACID, 4-PHENYL-2-(2-(TRIFLUOROMETHYL)PHENOXY)-, M
                    ETHYL ESTER, (3E)-/CN


=> E3
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.




L10           2 L9

=> D L10 1-2 TI

L10  ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl
     Carbenoid Insertion into Si-H, O-H, and N-H Bonds

L10  ANSWER 2 OF 2  CAPLUS  COPYRIGHT 2010 ACS on STN
TI   Electronic versus steric effects in 5-endo-trig-like electrophilic
     cyclizations


=> D L10 FILE REG
'FILE' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'
'REG' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:
```

```
ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
CLASS ------- IPC, NCL, ECLA, FTERM
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, CLASS

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels

SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
an arrow prompt (=>).  Examples of formats include: TI; TI,AU; BIB,ST;
TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
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FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):END

=> FILE REG
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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                       2.28     233.69

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STRUCTURE FILE UPDATES:   24 JUN 2010  HIGHEST RN 1228341-10-3
DICTIONARY FILE UPDATES:  24 JUN 2010  HIGHEST RN 1228341-10-3

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TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

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REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> E 3-Butenoic acid, 2-ethoxy-4-phenyl-, ethyl ester, (E)-/CN
E1            1     3-BUTENOIC ACID, 2-ETHOXY-4,4-DIPHENYL-, ETHYL ESTER/CN
E2            1     3-BUTENOIC ACID, 2-ETHOXY-4-(4-(PHENYLMETHOXY)PHENYL)-, ETHY
                    L ESTER/CN
E3            1 --> 3-BUTENOIC ACID, 2-ETHOXY-4-PHENYL-, ETHYL ESTER, (E)-/CN
E4            1     3-BUTENOIC ACID, 2-ETHOXYETHYL ESTER/CN
E5            1     3-BUTENOIC ACID, 2-ETHYL-/CN
E6            1     3-BUTENOIC ACID, 2-ETHYL-, (1S,3S)-3-((4-METHOXYPHENYL)METHO
                    XY)-1-(1-METHYLETHENYL)BUTYL ESTER, (2R)-/CN
E7            1     3-BUTENOIC ACID, 2-ETHYL-, (1S,3S)-3-((4-METHOXYPHENYL)METHO
                    XY)-1-(1-METHYLETHENYL)BUTYL ESTER, (2S)-/CN
E8            1     3-BUTENOIC ACID, 2-ETHYL-, (2R)-/CN
E9            1     3-BUTENOIC ACID, 2-ETHYL-, 1,1-DIMETHYLETHYL ESTER, (2R)-/CN
E10           1     3-BUTENOIC ACID, 2-ETHYL-, 1-METHYLETHYL ESTER, (2R)-/CN
E11           2     3-BUTENOIC ACID, 2-ETHYL-, 2'-HYDROXY(1,1'-BINAPHTHALEN)-2-Y
                    L ESTER, STEREOISOMER/CN
E12           1     3-BUTENOIC ACID, 2-ETHYL-, 2-(4-BROMOPHENYL)-2-OXOETHYL ESTE
                    R/CN

=> E3
L11           1 "3-BUTENOIC ACID, 2-ETHOXY-4-PHENYL-, ETHYL ESTER, (E)-"/CN

=> D L11

L11  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   173602-52-3  REGISTRY
ED   Entered STN:  28 Feb 1996
CN   3-Butenoic acid, 2-ethoxy-4-phenyl-, ethyl ester, (E)- (9CI)
     (CA INDEX NAME)
FS   STEREOSEARCH
MF   C14 H18 O3
SR   CA
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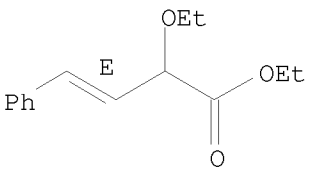
LC STN Files: CA, CAPLUS, CASREACT

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE CAPLUS

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.09	241.78

FILE 'CAPLUS' ENTERED AT 08:32:46 ON 25 JUN 2010
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 25 Jun 2010 VOL 153 ISS 1
FILE LAST UPDATED: 24 Jun 2010 (20100624/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2010

CAplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2010.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

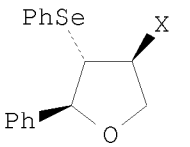
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> L11
L12 2 L11

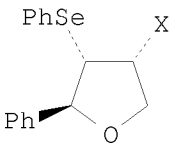
=> D L12 1-2 TI FBIB ABS

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
TI A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl Carbenoid Insertion into Si-H, O-H, and N-H Bonds
AN 1997:198048 CAPLUS <<LOGINID::20100625>>
DN 126:211638
OREF 126:40925a,40926a
TI A Stereospecific Access to Allylic Systems Using Rhodium(II)-Vinyl Carbenoid Insertion into Si-H, O-H, and N-H Bonds
AU Bulugahapitiya, Priyadarshanie; Landais, Yannick; Parra-Rapado, Liliana; Planchenault, Denis; Weber, Valery
CS College Propedeutique, Universite de Lausanne, Lausanne-Dorigny, 1015, Switz.
SO Journal of Organic Chemistry (1997), 62(6), 1630-1641
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
AB Rhodium-catalyzed decomposition of α-vinyl diazo esters in the presence of silanes, alcs., ethers, amines, and thiols has been shown to produce the corresponding α-silyl, α-hydroxy, α-alkoxy, α-amino, and α-thioalkoxy esters in generally good yield with a complete retention of the stereochem. of the double bond of the diazo precursor. An extension of the process in homochiral series has also been devised using either a chiral auxiliary attached to the ester function or achiral α-vinyl diazo esters and Doyle's chiral catalyst Rh2(MEPY)4. In the former approach, pantolactone as chiral auxiliary gave diastereoselectivities of up to 70%, while the second approach produced the desired allylsilane with ee as high as 72%. On the other hand, Rh2(MEPY)4-catalyzed insertion into the O-H bond of water led to poor or no enantioselectivity in good agreement with recent literature reports.
OSC.G 59 THERE ARE 59 CAPLUS RECORDS THAT CITE THIS RECORD (60 CITINGS)
RE.CNT 119 THERE ARE 119 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN
TI Electronic versus steric effects in 5-endo-trig-like electrophilic cyclizations
AN 1995:974892 CAPLUS <<LOGINID::20100625>>
DN 124:176328
OREF 124:32707a,32710a
TI Electronic versus steric effects in 5-endo-trig-like electrophilic cyclizations
AU Landais, Yannick; Planchenault, Denis
CS Inst. de Chimie Organique, Univ. de Lausanne, Lausanne-Dorigny, 1015, Switz.
SO Synlett (1995), (11), 1191-3
CODEN: SYNLES; ISSN: 0936-5214
PB Thieme
DT Journal
LA English
OS CASREACT 124:176328
GI



I



II

AB Electronically and sterically differentiated allylic substituents such as RO, NHPh, PhS, and PhSO2 groups were used to demonstrate the influence of electronic and/or steric effects in the stereocontrol of the PhSeCl-promoted electrophilic 5-endo-trig-like cyclizations of 2-substituted-3-alkenols, (E)-PhCH:CHCHXCH2OH (1, X = OH, OEt, OCH2CF3, OPh, NHPh, SPh). 1 Reacted with PhSeCl/K2CO3 to give predominantly the 2,4-trans-tetrahydrofuran I, however, the cis-2,4-diastereoisomer II was predominant for X = NHPh and SPh for reasons of electronic effects.
OSC.G 20 THERE ARE 20 CAPLUS RECORDS THAT CITE THIS RECORD (20 CITINGS)

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	8.20	249.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.70	-1.70

FILE 'REGISTRY' ENTERED AT 08:35:09 ON 25 JUN 2010
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUN 2010 HIGHEST RN 1228341-10-3
DICTIONARY FILE UPDATES: 24 JUN 2010 HIGHEST RN 1228341-10-3

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 8, 2010.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=> e 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, ethyl ester,/cn

E1	1	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, (3E)-/CN
E2	1	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, (S)-/CN
E3	0 -->	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, ETHYL ESTER,/CN
E4	1	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, ETHYL ESTER, (3E)-/CN
E5	1	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, METHYL ESTER, (2S, 3E)-/CN
E6	1	3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, METHYL ESTER, (S-(E))-/CN
E7	1	3-BUTENOIC ACID, 2-(ACETYLOXY)ETHYL ESTER/CN
E8	1	3-BUTENOIC ACID, 2-(ACETYLTHIO)-2-METHYL-, PHENYLMETHYL ESTER, (2R)-/CN
E9	1	3-BUTENOIC ACID, 2-(ACETYLTHIO)-2-METHYL-, PHENYLMETHYL ESTE

```
                    R, (2S)-/CN
E10           1     3-BUTENOIC ACID, 2-(ACETYLTHIO)-2-METHYL-4-PHENYL-, PHENYLME
                    THYL ESTER, (2R,3E)-/CN
E11           1     3-BUTENOIC ACID, 2-(ACETYLTHIO)-2-METHYL-4-PHENYL-, PHENYLME
                    THYL ESTER, (2S,3E)-/CN
E12           1     3-BUTENOIC ACID, 2-(AMINO((2-AMINOPHENYL)AMINO)METHYLENE)-4,
                    4-DICYANO-, ETHYL ESTER, (Z)-/CN

=> e4
L13           1 "3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, ETHYL ESTER, (3E)-"/C
                N

=> d l13

L13  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   1151782-13-6  REGISTRY
ED   Entered STN:  02 Jun 2009
CN   3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, ethyl ester, (3E)-
     (CA INDEX NAME)
FS   STEREOSEARCH
MF   C14 H16 O4
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT

Double bond geometry as shown.
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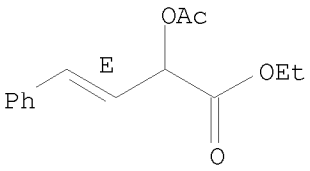


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

               1 REFERENCES IN FILE CA (1907 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> e5
L14           1 "3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, METHYL ESTER, (2S,3E)
                -"/CN

=> d l14

L14  ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2010 ACS on STN
RN   206257-88-7  REGISTRY
ED   Entered STN:  03 Jun 1998
CN   3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, methyl ester, (2S,3E)-
     (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, methyl ester, [S-(E)]-
FS   STEREOSEARCH
MF   C13 H14 O4
SR   CA
LC   STN Files:   CA, CAPLUS

Absolute stereochemistry.
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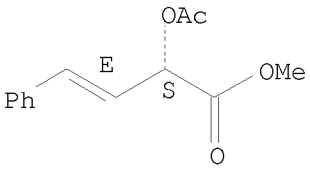
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

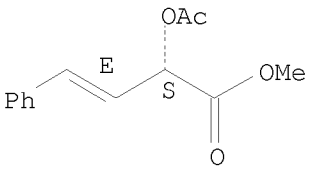
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> e6
L15 1 "3-BUTENOIC ACID, 2-(ACETYLOXY)-4-PHENYL-, METHYL ESTER, (S-(E))-"/CN

=> d l15

L15 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2010 ACS on STN
RN 206257-88-7 REGISTRY
ED Entered STN: 03 Jun 1998
CN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, methyl ester, (2S,3E)- (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 3-Butenoic acid, 2-(acetyloxy)-4-phenyl-, methyl ester, [S-(E)]-
FS STEREOSEARCH
MF C13 H14 O4
SR CA
LC STN Files: CA, CAPLUS

Absolute stereochemistry.
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	24.27	274.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL

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                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.70

FILE 'CAPLUS' ENTERED AT 08:37:07 ON 25 JUN 2010
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FILE COVERS 1907 - 25 Jun 2010  VOL 153 ISS 1
FILE LAST UPDATED: 24 Jun 2010  (20100624/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Apr 2010
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Apr 2010

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2010.
```



```
This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> l13
L16          1 L13

=> d l16

L16  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   2009:652491  CAPLUS <<LOGINID::20100625>>
DN   151:8000
TI   Pincer Complex-Catalyzed Redox Coupling of Alkenes with Iodonium Salts via
     Presumed Palladium(IV) Intermediates
AU   Aydin, Juhanes; Larsson, Johanna M.; Selander, Nicklas; Szabo, Kalman J.
CS   Department of Organic Chemistry, Arrhenius Laboratory, Stockholm
     University, Swed.
SO   Organic Letters (2009), 11(13), 2852-2854
     CODEN: ORLEF7; ISSN: 1523-7060
PB   American Chemical Society
DT   Journal
LA   English
OS   CASREACT 151:8000
OSC.G   7     THERE ARE 7 CAPLUS RECORDS THAT CITE THIS RECORD (7 CITINGS)
RE.CNT  56    THERE ARE 56 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> l14
L17          1 L14
```

```
=> d l17

L17  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   1998:217991  CAPLUS <<LOGINID::20100625>>
DN   128:294949
OREF 128:58463a,58466a
TI   Chemoenzymic synthesis of enantiomerically pure alkene 1,2-diols and
     glycosides thereof
AU   Ziegler, Thomas; Bien, Frank; Jurisch, Claus
CS   Institute of Organic Chemistry, University of Cologne, Cologne, D-50939,
     Germany
SO   Tetrahedron: Asymmetry (1998), 9(5), 765-780
     CODEN: TASYE3; ISSN: 0957-4166
PB   Elsevier Science Ltd.
DT   Journal
LA   English
OS   CASREACT 128:294949
OSC.G   29    THERE ARE 29 CAPLUS RECORDS THAT CITE THIS RECORD (29 CITINGS)
RE.CNT  40    THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d l18
L18 NOT FOUND
The L-number entered has not been defined in this session, or it
has been deleted.  To see the L-numbers currently defined in this
session, enter DISPLAY HISTORY at an arrow prompt (=>).

=> 5 l15
MISSING OPERATOR 5 L15
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> d l15
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n


=> l15
L18          1 L15

=> d l18

L18  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2010 ACS on STN
AN   1998:217991  CAPLUS <<LOGINID::20100625>>
DN   128:294949
OREF 128:58463a,58466a
TI   Chemoenzymic synthesis of enantiomerically pure alkene 1,2-diols and
     glycosides thereof
AU   Ziegler, Thomas; Bien, Frank; Jurisch, Claus
CS   Institute of Organic Chemistry, University of Cologne, Cologne, D-50939,
     Germany
SO   Tetrahedron: Asymmetry (1998), 9(5), 765-780
     CODEN: TASYE3; ISSN: 0957-4166
PB   Elsevier Science Ltd.
DT   Journal
LA   English
OS   CASREACT 128:294949
OSC.G   29    THERE ARE 29 CAPLUS RECORDS THAT CITE THIS RECORD (29 CITINGS)
RE.CNT  40    THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT
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=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    15.40     289.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -1.70

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:50:46 ON 25 JUN 2010
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